

What is claimed is:

1. A device for stabilizing an image tracker in a patient's bone, comprising:
a securing mechanism;
a body having a first aperture and a second aperture both sized to receive said securing mechanism;

wherein said securing mechanism is inserted through said first aperture and said second aperture and inserted into the patient's bone for temporarily stabilizing the image tracker to a patient.

2. The device claimed in claim 1, further comprising at least one stabilizing projection.

3. The device claimed in claim 2, wherein said at least one projection is positioned on a bottom surface of said body.

4. The device as claimed in claim 3, wherein said first aperture is located along a side surface of said body.

5. The device as claimed in claim 3, wherein said first aperture is located along a top surface of said body.

6. The device as claimed in claim 4, wherein said second aperture is located along a side surface of said body.

7. The device as claimed in claim 4, wherein said second aperture is located along a bottom surface of said body.

8. The device as claimed in claim 5, wherein said second aperture is located along a side surface of said body.

9. The device as claimed in claim 5, wherein said second aperture is located along a bottom surface of said body.

10. The device as claimed in claim 1, wherein said securing mechanism comprises a bone screw.

11. The device as claimed in claim 1, further comprising an inner flange within a passageway between said first aperture and said second aperture.

12. A mounting base for stabilizing an image tracker in a patient's bone, comprising:

a body having an entrance aperture and an exit aperture and a passageway therebetween;

means for securing the base to the patient's bone, wherein said means for securing is sized to be received in said passageway; and

means for stabilizing the body from rotating;

wherein said means for securing is inserted through said entrance aperture, said passageway, and said exit aperture and inserted into the patient's bone for temporarily stabilizing the image tracker to a patient.

13. The device claimed in claim 12, wherein said means for stabilizing comprises at least one projection.

14. The device claimed in claim 13, wherein said at least one projection is positioned on a bottom surface of said body.

15. The device claimed in claim 13, wherein said at least one projection comprises a pin.

16. The device as claimed in claim 12, wherein said entrance aperture is located along a side surface of said body.

17. The device as claimed in claim 12, wherein said entrance aperture is located along a top surface of said body.

18. The device as claimed in claim 12, wherein said exit aperture is located along a side surface of said body.

19. The device as claimed in claim 12, wherein said exit aperture is located along a bottom surface of said body.

20. The device as claimed in claim 12, further comprising an inner flange within the passageway.

21. A method of attaching an image tracker to a patient, the method comprising:
- a) inserting a bone screw through a body of a mounting base, the body having an entrance aperture, an exit aperture, and at least one stabilizing projection;
 - b) advancing the bone screw into a bone of the patient; and
 - c) tightening the bone screw into the bone.
22. The method as claimed in claim 21, further comprising the step of inserting the at least one projection into a tissue of the patient.
23. The method as claimed in claim 22, further comprising the step of tightening a set screw against a portion of the projection.
24. The method as claimed in claim 21, further comprising the step of tightening a set screw against a portion of the bone screw.
25. The method as claimed in claim 21, further comprising the step of attaching an image tracker array to the body.